

We claim:

1. An access point capable of communicating in a wireless communications network via a radio frequency channel, comprising:

logic for detecting that one or more other access points are also using the radio frequency channel;

logic responsive to the logic for detecting for adjusting transmit power.

2. The apparatus of claim 1 wherein the logic for detecting further comprises:

logic for receiving messages from the one or more other access points;

logic for maintaining a table including indications of the power levels of the respective one or more other access points;

and wherein the logic for adjusting transmit power does so in response to the indications in the table.

3. The apparatus of claim 2 further comprising:

logic for transmitting a power backoff level to other wireless devices in the network, the power backoff level indicative of the amount by which the access point's transmit power has been adjusted.

4. The apparatus of claim 3 wherein the wireless communications network is an 802.11 wireless network.